



(19)

(11) Publication number: 06251422

Generated Document.

A

## PATENT ABSTRACTS OF JAPAN

(21) Application number: 05040072

(51) Int'l. Cl.: G11B 7/24 G11B 7/24

(22) Application date: 01.03.93

(30) Priority:

(43) Date of application 09.09.94  
publication:(84) Designated  
contracting states:

(71) Applicant: SONY CORP

(72) Inventor: YASUDA KOICHI  
KASAMI YUTAKA

(74) Representative:

## (54) OPTICAL DISK

## (57) Abstract:

PURPOSE: To improve the reproduction sensitivity of an optical disk for ultrahigh resolution reproduction system and to exactly execute an ultrahigh resolution reproduction with good C/N even at the time of executing the reproduction with rather high line speed.

CONSTITUTION: A phase transfer material layer 4 which shows change in reflectance at least after melting is formed on a transparent substrate 1 in which recording pits 2 optically readable are formed according to information signals. A reflecting layer 6 is formed on the phase transfer material layer 4. When the disk is irradiated with reading light, the phase transfer material

layer 4 is partially changed into a liquid phase in the scanned spot of light to change reflectance. The reflecting layer 6 consists of such a material having  $\leq 1.0 \text{J/cmKs}$  thermal conductivity.

COPYRIGHT: (C)  
1994,JPO&Japio

